

U-2

IDEA 1212-63

Copy 2 of 10

24 April 1963

MEMORANDUM FOR IDEALIST SYSTEMS FILES

SUBJECT: Trip Report to LAC, 15-18 April 1963

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25X1A5a2

1. Purposes of trip were to attend briefing relative to the "I" article on an ELINT systems bidders conference, and to discuss and tie down [redacted] inputs. The briefings and discussions were held in the offices of [redacted] at LAC. Briefing on ELINT systems was attended by self [redacted]

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25X1A5a

Basic briefing was as presented in the attachment, and is an attempt to combine Systems III, VI, XII, and an X-band intercept and warning system. Nothing has been asked which exceeds state-of-the-art practices, and it was urged that proposals be considered on a fixed cost basis. It is highly unlikely that such a request will be seriously considered.

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2. During the ELINT systems briefings, it was also urged that the systems be considered as a portion of an active ECM system, or at least as a system which will be expected to operate simultaneously with active ECM equipments. The purpose of such a request was to bring to the attention of the potential bidders, the problems which could arise in the use of adjacent equipments without prior consideration of proper isolation. Because the time allotment indicated for the preparation of such a proposal (1 June 1963) was such a short time away, it was felt that if the bidders were interested in providing an active ECM system, either in conjunction with or in addition to the ELINT system, that the ECM system proposal would be welcomed and duly considered after the proposal for the ELINT system had been received.

3. Consideration of an active ECM system was outlined to meet the primary threat of the FAN SONG radar, and possibly a secondary threat of the SPOON REST. Such a system should be evaluated as combining confusion and deception techniques such that the best features of inverse gain repeaters, dual source or cross-eye jamming, and programmed false targets would be included in contrast to straight confusion or deception programs, or brute force jamming methods. Judging from the general lack of questions on the why's and wherefore's of the above statements, there is little hope that a concrete proposal will be forwarded.

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4. Upon completion of the bidders conference briefing, [redacted] business became the primary concern. Through [redacted] meeting was set up with self, [redacted] go over inputs of [redacted] again. Trigger levels (i.e., levels

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indicative of GO, NO-GO operation) were discussed and settled upon as well as input channels. With all 30 input channels now in use, as specified, an amendment to LAC ECP-150 is now in order for sensors and sensor functions different than, or not specified in the ECP-150. With proper coordination, the proposal for the [REDACTED] package and test equipment will suffice for the test item. It should be noted, however, that due to lead time required in ordering some of the instrumented sensors (the EGT Indicator particularly), authorization to order said instruments should be given prior to approval of final ECP. 25X1A2g

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[REDACTED]  
Engineering and Analysis Division  
OSA/DDR

Attachment:  
As Stated

Distribution:

- Cy 1 - EAD/OSA w/att
- Cy 2 - AD/SA w/att
- Cy 3 - DT/OSA w/att
- Cy 4 - OD/OSA w/att
- Cy 5 - MD/OSA w/att
- Cy 6 - CD/OSA w/att
- Cy 7 - PS/OSA w/att
- Cy 8 - Commo/OSA w/att
- Cy 9 - EAD chrono w/o att
- Cy 10- RB/OSA w/o att

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